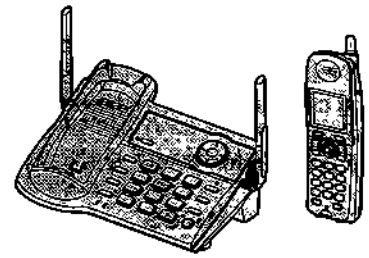
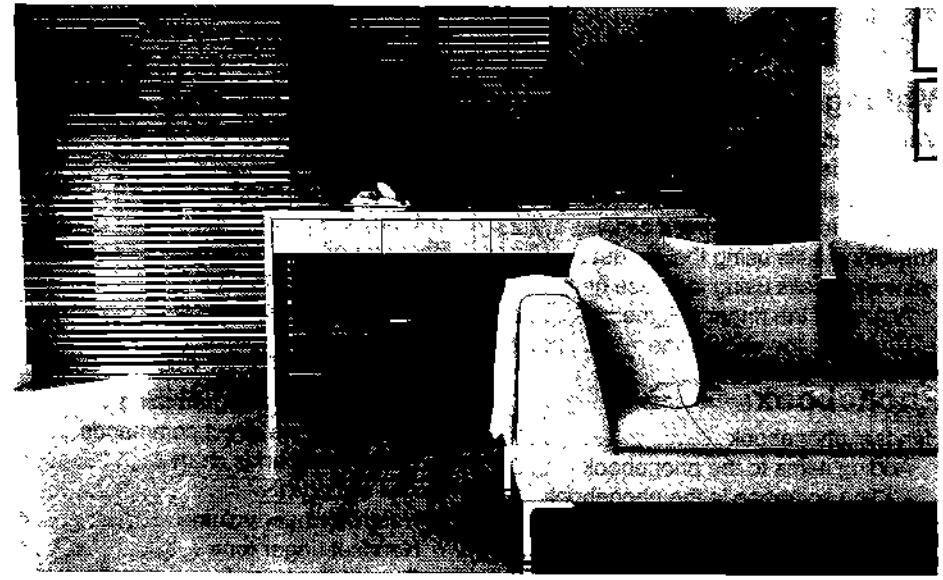
Panasonic

Operating Instructions

5.8 GHz Expandable Digital Cordless Phone

Model No. **KX-TG5561HK**





This unit is compatible with Caller ID. To use this feature, you must subscribe to the appropriate service offered by your service provider.

Charge the battery for 6 hours before initial use.

Please read these Operating Instructions before using the unit and save for future reference.

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Thank you for purchasing a Panasonic cordless telephone.

We recommend keeping a record of the following information for future reference.

Serial No. _____ Date of purchase _____

(found on the bottom of the unit)

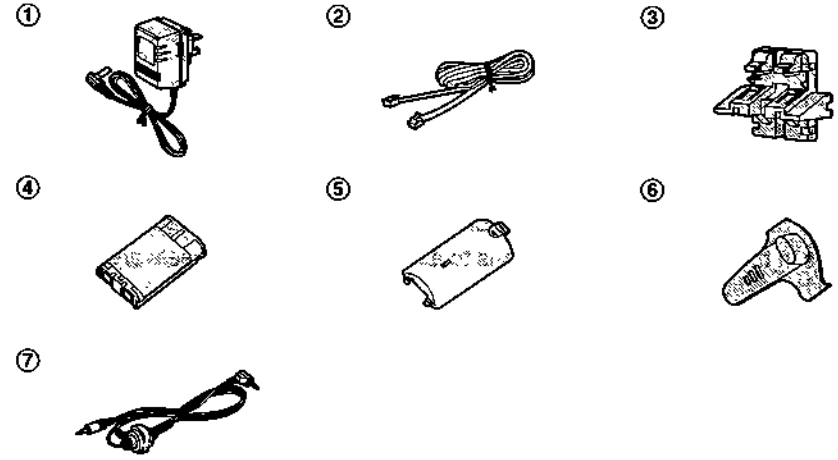
Name and address of dealer

Attach your purchase receipt here.

Accessory information

Included accessories

No.	Accessory items	Quantity
①	AC adaptor for base unit	1
②	Telephone line cord	1
③	Wall mounting adaptor	1
④	Battery	1
⑤	Handset cover	1
⑥	Belt clip	1
⑦	Audio cable	1



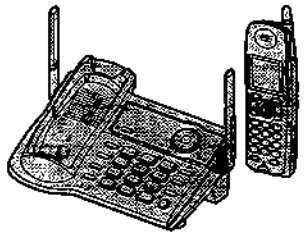
Additional/replacement accessories

Accessory items	Order number
Rechargeable nickel metal hydride (Ni-MH) battery	HHR-P104
Accessory handset with charger	KX-TGA550HK
Headset	KX-TCA89EX

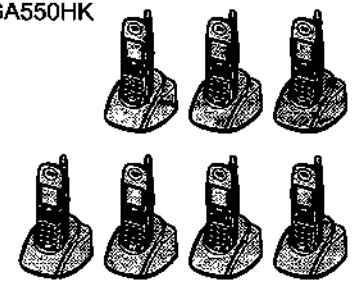
Expanding your phone

The KX-TG5561HK includes one handset and one base unit. You can expand the system by adding up to 7 accessory handsets, sold separately. A maximum of 8 handsets can be registered to a base unit.

KX-TG5561HK



Accessory handsets
KX-TGA550HK



Note:

- The included handset is pre-registered at the factory and assigned the extension number 1.
- In most situations 4 units can be operated at once, however, the number of units that can be operated at once may be lower depending on the features being used.
- References in these operating instructions to a charger or other handsets are for accessory handset users only.

Important safety instructions

When using this unit, basic safety precautions should always be followed to reduce the risk of fire, electric shock, or personal injury.

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on this unit.
3. Unplug this unit from power outlets before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this unit near water, for example near a bathtub, wash bowl, kitchen sink, etc.
5. Place the unit securely on a stable surface. Serious damage and/or injury may result if the unit falls.
6. Do not cover slots and openings on the unit. They are provided for ventilation and protection against overheating. Never place the unit near radiators, or in a place where proper ventilation is not provided.
7. Use only the power source marked on the unit. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
8. Do not place objects on the power cord. Install the unit where no one can step or trip on the cord.
9. Do not overload power outlets and extension cords. This can result in the risk of fire or electric shock.
10. Never push any objects through slots in this unit. This may result in the risk of fire or electric shock. Never spill any liquid on the unit.
11. To reduce the risk of electric shock, do not disassemble this unit. Take the unit to an authorized service center when service is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the unit is subsequently used.
12. Unplug this unit from power outlets and refer servicing to an authorized service center when the following conditions occur:
    A. When the power cord is damaged or frayed.
    B. If liquid has been spilled into the unit.
    C. If the unit has been exposed to rain or water.
    D. If the unit does not work normally by following the operating instructions. Adjust only controls covered by the operating instructions. Improper adjustment may require extensive work by an authorized service center.
    E. If the unit has been dropped or physically damaged.
    F. If the unit exhibits a distinct change in performance.
13. During thunderstorms, avoid using telephones except cordless types. There may be a remote risk of an electric shock from lightning.
14. Do not use this unit to report a gas leak, when in the vicinity of the leak.

SAVE THESE INSTRUCTIONS

CAUTION:

Installation

- Never install telephone wiring during a lightning storm.
- Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
- Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines.

- Do not touch the plug with wet hands.
- The AC adaptor is used as the main disconnect device. Ensure that the AC outlet is installed near the unit and is easily accessible.
- To prevent the electric shock, use only the included audio cable with the transformer when connecting the unit to an audio device.

Battery

To reduce the risk of fire or injury to persons, read and follow these instructions.

- Use only the battery(ies) specified.
- Do not dispose of the battery(ies) in a fire. They may explode. Check with local waste management codes for special disposal instructions.
- Do not open or mutilate the battery(ies). Released electrolyte is corrosive and may cause burns or injury to the eyes or skin. The electrolyte may be toxic if swallowed.
- Exercise care when handling the battery(ies). Do not allow conductive materials such as rings, bracelets or keys to touch the battery(ies), otherwise a short circuit may cause the battery(ies) and/or the conductive material to overheat and cause burns.
- Charge the battery(ies) provided with or identified for use with this product only in accordance with the instructions and limitations specified in this manual.

WARNING:

- To prevent the risk of fire or electrical shock, do not expose this product to rain or any type of moisture.
- Unplug this unit from power outlets if it emits smoke, an abnormal smell or makes an unusual noise. These conditions can cause fire or electric shock. Confirm that smoke has stopped and contact an authorized service center.

Medical

- Consult the manufacturer of any personal medical devices, such as pacemakers or hearing aids, to determine if they are adequately shielded from external RF (radio frequency) energy. (The unit operates in the frequency range of 5.76 GHz to 5.84 GHz, and the power output level can range from 0.25 to 0.5 watts.) Do not use the unit in health care facilities if any regulations posted in the area instruct you not to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF (radio frequency) energy.

For best performance

Base unit location/noise

The base unit and handset use radio waves to communicate with each other. For maximum distance and noise-free operation, we recommend the following:

- Placing the unit away from electrical appliances such as a TV, personal computer or another cordless phone.
- Placing the base unit in a HIGH and CENTRAL location with no obstructions such as walls.
- Raising the antennas vertically.
- If you use the handset near a microwave oven which is being used, noise may be heard. Move away from the microwave oven and closer to the base unit.
- If you use the handset near another cordless phone's base unit, noise may be heard. Move away from the other cordless phone's base unit and closer to your base unit.

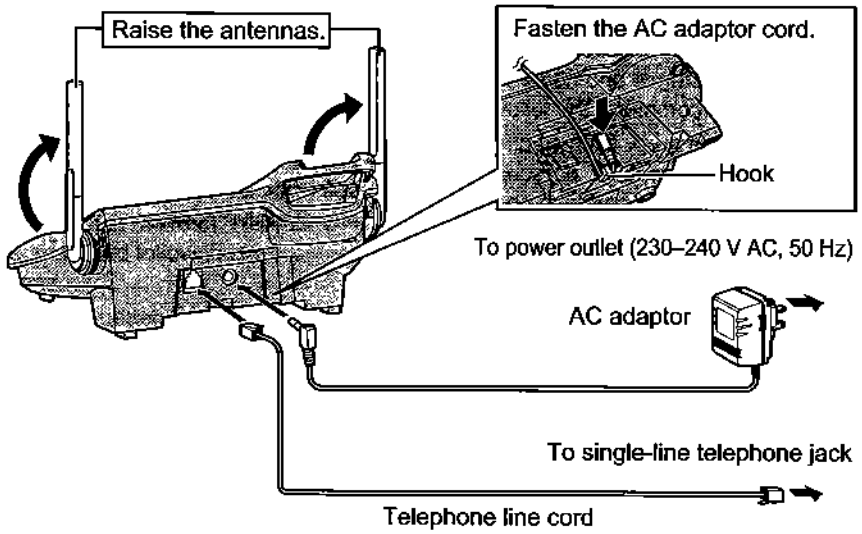
Environment

- Keep the unit away from electrical noise generating devices, such as fluorescent lamps and motors.
- The unit should be kept free from excessive smoke, dust, high temperature and vibration.
- The unit should not be exposed to direct sunlight.
- Do not place heavy objects on top of the unit.
- When you leave the unit unused for a long period of time, unplug this unit from power outlet.
- The unit should be kept away from heat sources such as heaters, kitchen stoves, etc. It should not be placed in rooms where the temperature is less than 5 °C or greater than 40 °C. Damp basements should also be avoided.
- The maximum calling distance may be shortened when the unit is used in the following places: Near obstacles such as hills, tunnels, underground, near metal objects such as wire fences, etc.
- Operating near 5.8 GHz electrical appliances may cause interference. Move away from the electrical appliances.

Routine care

- Wipe the outer surface of the unit with a soft cloth. Do not use benzine, thinner or any abrasive powder.

Connections

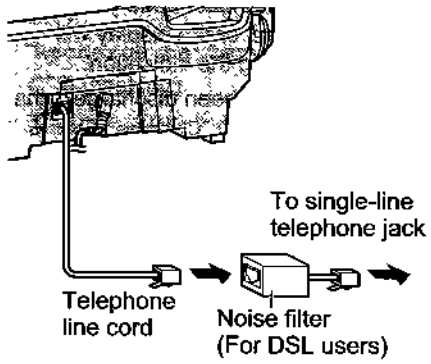


Note:

- Use only the included Panasonic AC adaptor PQLV1E.
- The AC adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use.)
- The AC adaptor should be connected to a vertically oriented or floor-mounted AC outlet. Do not connect the AC adaptor to a ceiling-mounted AC outlet, as the weight of the adaptor may cause it to become disconnected.
- When more than one unit is used, the units may interfere with each other. To prevent or reduce interference, please keep ample space between the base units.
- The unit will not work during a power failure. We recommend connecting a standard telephone to the same telephone line or to the same telephone jack using a T-adaptor.

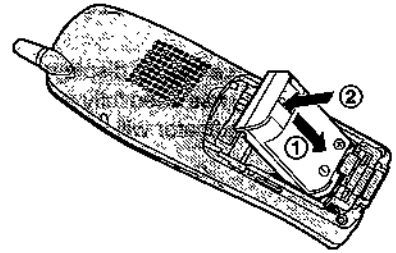
If you subscribe to a DSL service

- Please attach a noise filter (contact your DSL provider) to the telephone line between the base unit and the telephone line jack in the event of the following:
  - Noise is heard during conversations.
  - Caller ID features (page 31) do not function properly.

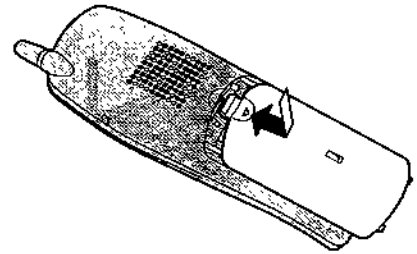


Battery installation

1 Insert the battery (①), and press it down until it snaps into the compartment (②).



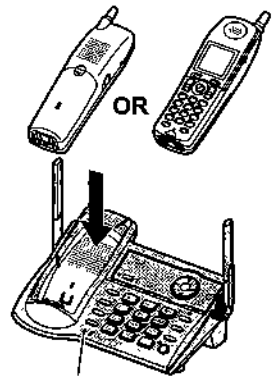
2 Close the handset cover.



Battery charge

Place the handset on the base unit for **6 hours** before initial use.

- The unit will beep once, the CHARGE indicator will light, and "**Charging**" will be displayed.
- "**Charge completed**" is displayed when the battery has been fully charged. The CHARGE indicator will remain lit.



CHARGE indicator

Note:

- To ensure the battery charges properly, clean the charge contacts of the handset and base unit with a soft, dry cloth once a month. Clean more often if the unit is subject to grease, dust, or high humidity.

Battery strength

You can confirm the battery strength on the handset display.

Battery icon	Battery strength
	Fully charged
	Medium
	Low When flashing: needs to be recharged.
	Discharged

Recharging the battery

Recharge the battery when:

- "**Recharge battery**" is displayed or flashes on the handset display.
- the handset beeps intermittently while it is in use.

Note:

- Recharge the handset battery for more than 15 minutes, or the display will continue showing the indication.
- If the battery has been discharged, the handset will display "**Charge for 6 HRS**" and when you place the handset on the base unit.

Battery performance

After your Panasonic battery is fully charged, you can expect the following performance:

Operation	Operating time
While in use (talking)	Up to 5 hours
While not in use (standby)*1	Up to 11 days
While using the clarity booster feature (page 21)	Up to 3 hours

*1 Handset is off the base unit but not in use.

Note:

- Battery power is consumed whenever the handset is off the base unit, even when the handset is not in use. The longer you leave the handset off the base unit, the shorter you can actually talk on the handset. Actual battery performance depends on a combination of how often the handset is in use and how often it is not in use.
- Once the battery is fully charged, you do not have to charge it again until "**Recharge battery**" is displayed or flashes. This will maximize the battery life.

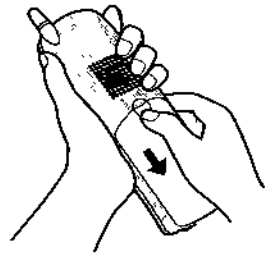
Battery replacement

If battery performance diminishes, make sure you have cleaned the charge contacts and fully charged the battery. The battery needs to be replaced if any of the following are displayed after a few phone calls even when you have fully charged the battery.

- "**Recharge battery**"
- (flashing)
- "**Charge for 6 HRS**"
-

- Use only the rechargeable Panasonic battery noted on page 5.

1 Press the notch on the cover firmly and slide it as indicated by the arrow.

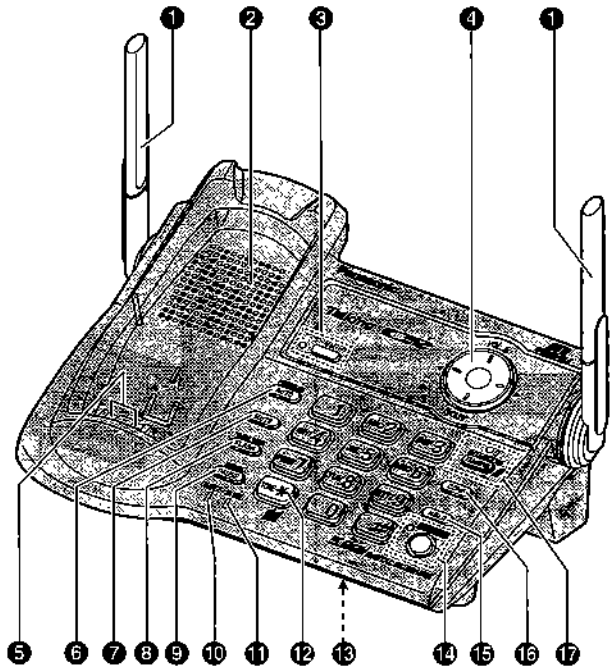


2 Replace the old battery with a new one, and close the cover (see page 11 for battery installation).

Controls and displays

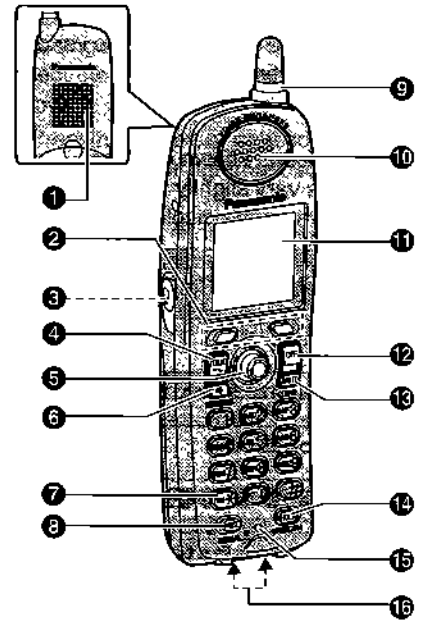
Controls

Base unit



❶ Antenna
❷ Speaker
❸ [VM] (Voice Mail)
VM indicator
❹ Navigator key
❺ Charge contacts
❻ [PROGRAM] [AUTO]
❼ [MUTE]
❽ [CALL WAIT] [FLASH]
❾ [REDIAL] [PAUSE]
❿ CHARGE indicator
⓫ IN USE indicator
⓬ [✳] (TONE/)
⓭ MIC (Microphone)
⓮ [SP-PHONE] (Speakerphone)
SP-PHONE indicator
⓯ [HOLD]
⓰ [CONF] (Conference)
⓱ [INTERCOM] [TRANSFER]
INTERCOM indicator

Handset

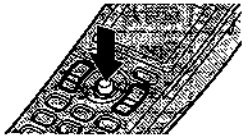


❶ Speaker
❷ Soft keys
❸ Headset jack/Audio jack
❹ [ ] (TALK)
❺ Joystick
❻ [ ] (SP-PHONE)
❼ [✳] (TONE)
❽ [REDIAL] [PAUSE]
❾ Ringer indicator
Message indicator
❿ Receiver
⓫ Display
⓬ [OFF]
⓭ [CLEAR] [MUTE]
⓮ [INTERCOM] [HOLD]
⓯ Microphone
⓰ Charge contacts

Using the joystick

The handset joystick can be used to navigate through menus and to select items shown on the display, by pushing it up, down, left, or right.

It can also be used to select the center soft key icon (page 17), by pressing down on the center of the joystick.



Note:

- Up to 5 menu items can be displayed at a time. To select a menu item not shown on the current page, scroll up or down by pushing the joystick up or down, respectively.

Displays

Handset display items

Displayed item	Meaning
VE	Voice enhancer is on.
	Battery strength
IN USE	Line is in use. When flashing: a call is on hold. When flashing rapidly: a call is being received.
SP	Speaker is on.
PRIVACY	Call Privacy mode is on.
1	This handset's extension number (example shown here: handset 1)
◀ ▶	You can move the cursor right and left.
◀▲▼▶	You can scroll or move the cursor right and left or up and down.
▲▼	You can scroll up and down.
✓	When customizing the unit: indicates the current setting. When viewing the caller list: indicates that you have called back this caller or viewed this caller information.

Handset menu icons

When in standby mode, pushing the center of joystick reveals the handset's main menu. From here you can access various features and settings.

Important:

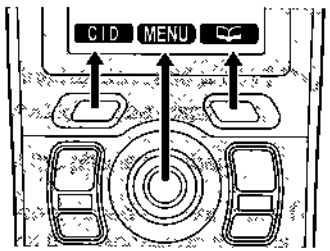
- The menu icons shown in these instructions vary slightly from the actual icons shown on the display.

Menu icon	Menu/feature
	Voice Mail
	Ringer setting
	Phonebook
	Function
	Initial setting
	Set date & time

Handset soft keys

The handset features 2 soft keys and a joystick. By pressing a soft key, or by pressing the center of the joystick, you can select the function displayed directly above it.

- Pressing the left or right soft key selects the leftmost or rightmost soft key icon respectively.
- Pressing the center of the joystick selects the center soft key icon.
- The functions displayed will vary depending on how you are using the unit.
- When a function does not appear above a soft key, the soft key has no function.



Note:

- In these operating instructions, soft key names are written inside brackets, the same way as other unit keys.
  Example:
  Unit keys: **[ ]**, **[OFF]**, etc.
  Soft keys: **[CID]**, **[MENU]**, **[ ]**, etc.

Handset backlit display and handset keypad

The handset display and dialing buttons will light for a few seconds after pressing any of the handset's controls or lifting the handset off the base unit or charger. They will also light when a call is being received.

Setting the unit before use

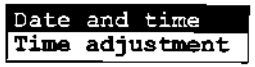
Setting the dialing mode

If you cannot make calls, change this setting depending on your telephone line service. The default setting is "**Tone**".
"**Tone**": For tone dial service.
"**Pulse**": For rotary pulse dial service.

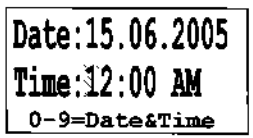
1 Press **[MENU]** (center of joystick).
2 Scroll to , then press **[SELECT]**.
3 Scroll to "**Set tel line**", then press **[SELECT]**.
4 Scroll to "**Set dial mode**", then press **[SELECT]**.
5 Push the joystick up or down repeatedly to select the desired setting.
6 Press **[SAVE]**, then press **[OFF]**.

Setting the date and time

1 Press **[MENU]** (center of joystick).
2 Scroll to , then press **[SELECT]**.
3 Scroll to "**Date and time**", then press **[SELECT]**.



4 Enter the current day, month, and year by selecting 2 digits for each.
Example: 15 June, 2005
Press **[1][5] [0][6] [0][5]**.



5 Enter the current hour and minute (12-hour clock format) by selecting 2 digits for each.
Example: 9:30 PM
Press **[0][9] [3][0]**.

6 Select "AM" or "PM" by pressing **[AM/PM]**.

7 Press **[SAVE]**.
- If the handset beeps 3 times, the date and time were not set correctly. Enter the correct digits.

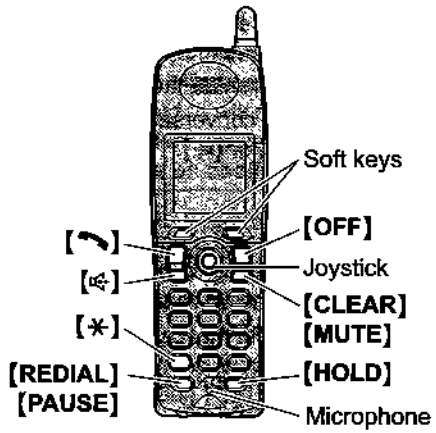
8 Press **[OFF]**.

Note:
- If you make a mistake when entering the date and time, use the joystick to move the cursor, then make the correction.

Time adjustment (Caller ID subscribers only)

If the Caller ID time and date display service is available in your area, Caller ID will automatically adjust the unit's date and time setting each time a call is received.
- To use this feature, you must first set the unit's date and time setting manually.
- You can turn this feature off (page 52).

Making calls using the handset



1 Lift the handset and press [ ].
- "Talk" will be displayed.

2 Dial the phone number.

3 When finished talking, press **[OFF]** or place the handset on the base unit or charger.

Note:
- The IN USE indicator on the base unit lights while the handset user is on an outside conversation.

To adjust the receiver volume

3 levels (high/medium/low) are available.
While using the receiver, push the joystick up or down repeatedly.

To use the speakerphone

1 Lift the handset and press [ ].
- "SP-phone" will be displayed.

2 Dial the phone number.

3 When the other party answers, speak into the microphone.

4 When finished talking, press **[OFF]** or place the handset on the base unit or charger.

Note:
- Talk alternately with the caller in a quiet room.
- If the other party has difficulty hearing you, push the joystick down to decrease the speaker volume.
- While on a call, you can switch from the receiver to the speakerphone by pressing [ ]. To switch back to the receiver, press [ ].

To adjust the speaker volume

6 levels (high to low) are available.
While using the speaker, push the joystick up or down repeatedly.

To dial after confirming the entered number

1 Enter the phone number.
- To correct a digit, use the joystick to move the cursor, then press **[CLEAR]**. Enter the correct number.
- If a pause is required when dialing, press **[PAUSE]** where needed (page 21).
- To cancel, press **[OFF]**.

2 Press [ ], [ ], or **[CALL]**.

3 When finished talking, press **[OFF]** or place the handset on the base unit or charger.

To redial the last number dialed

1 Press [ ] or [ ].

2 Press **[REDIAL]**.

To make a call using the redial list

The last 5 phone numbers dialed are stored in the redial list.

1 Press **[REDIAL]**.
- The last number dialed will be displayed.

2 Push the joystick up or down repeatedly to display the desired number.
- To delete the displayed number, press **[CLEAR]**.
- To exit the list, press **[OFF]**.

3 Press **[ ]**, **[ ]**, or **[CALL]**.

Useful features during a call

HOLD button

This feature allows you to put an outside call on hold.

1 Press **[HOLD]** during an outside call.
- To transfer the call to another extension, see page 36.

2 Press **[HOLD]** again.
- "Hold" will be displayed.
- To return to the call, press **[ ]** or **[ ]**.
- The base unit user can take the call by pressing **[SP-PHONE]**.
- Another handset user can take the call by pressing **[ ]** or **[ ]**.

Note:
- If another phone is connected on the same line (page 10), you can also take the call by lifting its handset.
- If a call is kept on hold for more than 6 minutes, an alarm tone will start to sound and the ringer indicator will flash rapidly. After 4 additional minutes on hold, the call will be disconnected.

MUTE button

You can mute your voice during a conversation. While mute is turned on you will be able to hear the other party, but the other party will not be able to hear you.
To mute your voice, press **[MUTE]**.
- "<Mute>" will flash on the display.
- To return to the conversation, press **[MUTE]**, **[ ]**, or **[ ]**.

Voice enhancer

This feature clarifies the voice of the person you are talking to, reproducing a more natural-sounding voice that is easier to hear and understand.

1 Press **[MENU]** (center of joystick) during an outside call.

2 To turn this feature on or off, press **[3]**.
- You can also turn this feature on or off by pushing the joystick up or down, then pressing **[SELECT]**.
- When turned on, VE will be displayed.

Note:
- Once you turn voice enhancer on, it will be activated for all outside calls until turned off.
- You can also turn this feature on or off by programming (page 48).
- Depending on the condition and quality of your telephone line, this feature may emphasize existing line noise. If it becomes difficult to hear, turn this feature off.

Clarity booster

This feature can improve sound clarity when the handset is used in an area where there may be interference. During an outside call, this feature will be turned on automatically when necessary. This feature will turn off when you hang up or put a call on hold. It will not turn off automatically during a call. You can also turn this feature on or off manually.

1 Press **[MENU]** (center of joystick) during an outside call.

2 To turn this feature on or off, press **[2]**.
- You can also turn this feature on or off by pushing the joystick up or down, then pressing **[SELECT]**.
- While this feature is turned on, "Booster on" will flash on the display.

Note:
- If this feature is turned off manually during a call, it will not be turned on automatically during the same call.
- While this feature is turned on, battery operating time will be shortened (page 12).
- The maximum number of extensions which can be used at a time may decrease when using this feature.

Call share

When another extension is on an outside call, this feature allows you to join that call. To join a conversation, press **[ ]** or **[ ]** when another extension is on an outside call.
- "Conference" will be displayed.
- A maximum of 4 parties (including the outside party) can join a conversation.

Call privacy

Call privacy allows you to prevent other users from joining your conversations with outside callers. To allow other users to join your conversations, leave this feature off. This feature is only available for the handset.
To turn this feature on or off, press **[PRIVACY]** during a conversation.
- While this feature is turned on, "PRIVACY" will be displayed.
- While this feature is turned on, other users cannot join the conversation.
- Call privacy will turn off after you hang up the call.

PAUSE button (for PBX/long distance service users)

A pause is sometimes required when making calls using a PBX or long distance service.
For example, if you need to dial the line access number "9" when making outside calls with a PBX:

1 Press **[9]**.

2 Press **[PAUSE]**, then dial the phone number.

Example: 9P5556667777

3 Press **[ ]**, **[ ]**, or **[CALL]**.

Note:
- A 3.5 second pause is inserted each time **[PAUSE]** is pressed. Press repeatedly to insert longer pauses.

FLASH button
Pressing **[FLASH]** allows you to use special features of your host PBX such as transferring an extension call, or accessing optional telephone services such as Call Waiting.

Note:
- To change the flash time, see page 50.

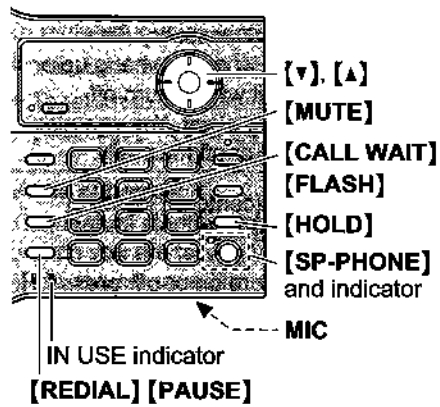
For Call Waiting service users
To use Call Waiting, you must subscribe to your telephone company's Call Waiting service.
This feature allows you to receive calls while you are already talking on the phone. If you receive a call while on the phone, you will hear a Call Waiting tone.
Press **[FLASH]** to answer the 2nd call.
- The 1st call is put on hold while you answer the 2nd call.
- To switch between calls, press **[FLASH]**.

Note:
- Please contact your telephone company for details and availability of this service in your area.

Temporary tone dialing (for rotary/ pulse service users)
You can temporarily switch the dialing mode to tone when you need to access touch tone services (for example, answering services, telephone banking services, etc.).
Press **[✳]** (TONE) before entering access numbers which require tone dialing.

Note:
- The dialing mode will return to pulse when you hang up.

Making calls using the base unit



1 Press **[SP-PHONE]**.
- The SP-PHONE and IN USE indicators light.

2 Dial the phone number.

3 When the other party answers, speak into the MIC.

4 When finished talking, press **[SP-PHONE]**.
- The SP-PHONE and IN USE indicators go out.

Note:
- Talk alternately with the caller in a quiet room.
- If the other party has difficulty hearing you, press **[▼]** to decrease the speaker volume.
- While on a call, you can switch from the speaker phone to the handset:
  - If the handset is off the base unit, press **[↷]** or **[🖳]** on the handset, then press **[SP-PHONE]** on the base unit.
  - If the handset is on the base unit, simply lift the handset.

To adjust the speaker volume
8 levels (high to low) are available.
While on a call press **[▼]** or **[▲]** repeatedly.

To redial the last number dialed

1 Press **[SP-PHONE]**.

2 Press **[REDIAL]**.

Useful features during a call

HOLD button
This feature allows you to put an outside call on hold.
Press **[HOLD]** during an outside call.
- The SP-PHONE indicator and IN USE indicator flash.
- To return to the call, press **[SP-PHONE]**.
- The handset user can take the call by pressing **[↷]** or **[🖳]**.

Note:
- If another phone is connected on the same line (page 10), you can also take the call by lifting its handset.
- If a call is kept on hold for more than 6 minutes, an alarm tone will start to sound. After 4 additional minutes on hold, the call will be disconnected.

MUTE button
You can mute your voice during a conversation. While mute is turned on you will be able to hear the other party, but the other party will not be able to hear you.
To mute your voice, press **[MUTE]**.
- The SP-PHONE indicator flashes.
- To return to the conversation, press **[MUTE]** or **[SP-PHONE]**.

Call share
When another extension is on an outside call, this feature allows you to join that call.
To join a conversation, press **[SP-PHONE]** when another extension is on an outside call.
- A maximum of 4 parties including the outside party can join a conversation.

FLASH button
Pressing **[FLASH]** allows you to use special features of your host PBX such as transferring an extension call, or accessing optional telephone services such as Call Waiting.

Note:
- To change the flash time, see page 50.

For Call Waiting service users
To use Call Waiting, you must subscribe to your telephone company's Call Waiting service.
This feature allows you to receive calls while you are already talking on the phone. If you receive a call while on the phone, you will hear a Call Waiting tone.
Press **[CALL WAIT]** to answer the 2nd call.
- The 1st call is put on hold while you answer the 2nd call.
- To switch between calls, press **[CALL WAIT]**.

Note:
- Please contact your telephone company for details and availability of this service in your area.

Temporary tone dialing (for rotary/ pulse service users)

You can temporarily switch the dialing mode to tone when you need to access touch tone services (for example, answering services, telephone banking services, etc.).
Press [✱] (TONE) before entering access numbers which require tone dialing.

Note:

- The dialing mode will return to pulse when you hang up.

Answering calls using the handset

When a call is being received, the ringer indicator flashes rapidly.

1 Lift the handset and press [📞] or [🔊].
   - You can also answer a call by pressing any button except the joystick or **[OFF]**. **(Any key talk feature)**

2 When finished talking, press **[OFF]** or place the handset on the base unit or charger.

Auto talk

This feature allows you to answer a call by simply lifting the handset off the base unit or charger. You do not need to press [📞].
To activate this feature, see page 49.

Temporary ringer off

While the handset is ringing for an outside call, you can turn the ringer off temporarily by pressing **[OFF]**. The handset will ring the next time a call is received.

Answering calls using the base unit

When a call is being received, the IN USE indicator flashes rapidly.

1 Press **[SP-PHONE]**.

2 Speak into the MIC.

3 When finished talking, press **[SP-PHONE]**.

Adjusting the ringer volume

4 levels (high/medium/low/off) are available.
While the base unit is not being used, press [▼] or [▲] repeatedly to select the desired volume.

- To stop ringing, press **[0]**.

To turn the ringer off, press and hold [▼] until the base unit beeps 2 times.

Note:

- When the ringer volume is set to off, the base unit will not ring for outside calls and it will ring at the low level for intercom calls.
- When the ringer volume is set to off, the base unit will not announce caller names (page 32).

Changing the ringer tone

You can change the base unit ringer tone heard when an outside call is received. There are 3 tones and 4 melodies.

1 Press [▲] or [▼].

2 Within 10 seconds, press [◄] or [►] repeatedly to select the desired ringer tone.
   - To stop ringing, press **[0]**.

Note:

- If you select one of the melody ringer patterns, the ringer will continue to sound for several seconds if:
  - the caller hangs up before you answer the call.
  - another person answers the call using another phone connected on the same line.

Handset phonebook

The handset phonebook allows you to make calls without having to dial manually. You can add 50 names and phone numbers to the handset phonebook and search for phonebook entries by name.

Adding items to the phonebook

1 Press **[📖]** (right soft key).
- The display shows the number of items in the phonebook.

2 Press **[ADD]**.

```
Enter name
```

3 Enter the name (max. 16 characters). See the character table for entry.

4 Press **[NEXT]**.

```
Enter phone no.
```

5 Enter the phone number (max. 32 digits).
- If a pause is required when dialing, press **[PAUSE]** where needed (page 21).

6 Press **[NEXT]**.
- If you want to change the name and number, press **[EDIT]**, then repeat from step 3.

Example:

```
Tom
5557654321
```

7 Press **[SAVE]**.
- To add other items, repeat from step 2.

8 Press **[OFF]**.

Note:
- Caller ID subscribers can use ringer ID and light-up ID features (page 32).

Character table

The dial keys can be used to enter characters. To enter a character, press the appropriate dial key, repeatedly if necessary. To enter another character that is located on the same dial key, first push the joystick right to move the cursor to the next space.

Key	Characters
[1]	& ' ( ) , – . / 1
[2]	a b c A B C 2
[3]	d e f D E F 3
[4]	g h i G H I 4
[5]	j k l J K L 5
[6]	m n o M N O 6
[7]	p q r s P Q R S 7
[8]	t u v T U V 8
[9]	w x y z W X Y Z 9
[0]	0 Space
[*]	*
[#]	#
[CLEAR]	To delete a character or number

To edit/correct a mistake

Use the joystick to move the cursor to the character or number you wish to erase, then press **[CLEAR]**. Enter the appropriate character or number.

Note:
- Press and hold **[CLEAR]** to erase all characters or numbers.

Calling someone in the phonebook

Phonebook items can be searched for alphabetically by scrolling through the phonebook items.

1 Press **[📖]** (right soft key).
- To view the first item, press **[SEARCH]**.

2 Push the joystick up or down repeatedly to display the desired item.
- To exit the phonebook, press **[OFF]**.

3 Press **[↷]**, **[📞]**, or **[CALL]**.

To search for a name by initial

1 Press **[📖]** (right soft key).

2 Press the dialing button (**[0]** to **[9]**, **[#]**, or **[*]**) which corresponds to the first letter you are searching for (see the character table on page 26).
Example: "LISA"
Press **[5]** repeatedly to display any name with the initial "L".
- If there is no item corresponding to the letter you selected, the next item will be displayed.

3 Push the joystick down repeatedly to display the desired item.
- To exit the phonebook, press **[OFF]**.
- To dial the displayed number, press **[↷]**, **[📞]**, or **[CALL]**.

Adding items/calling someone in the phonebook using the unit's menu 📖

You can also enter the phonebook from the handset's main menu.

1 Press **[MENU]** (center of joystick).

2 Scroll to 📖, then press **[SELECT]**.
- The display shows the number of items in the phonebook.

3 To add items, continue from step 2 of "Adding items to the phonebook" on page 26.
OR
To call someone, continue from step 2 of "Calling someone in the phonebook".

Editing items in the phonebook

1 Press [📖] (right soft key).

2 Push the joystick up or down repeatedly to display the desired item.

3 Press **[EDIT]**.

4 Edit the name if necessary. See the character table on page 26 for character entry.

5 Press **[NEXT]**.

6 Edit the phone number if necessary.

7 Press **[NEXT]**, then press **[SAVE]**.
- To edit other items, repeat from step 2.

8 Press **[OFF]**.

Erasing items in the phonebook

1 Press [📖] (right soft key).

2 Push the joystick up or down repeatedly to display the desired item.

3 Press **[CLEAR]**.
- To cancel erasing, press **[NO]**.

4 Press **[YES]**.
- To erase other items, repeat from step 2.

5 Press **[OFF]**.

Chain dial feature

This feature allows you to dial phone numbers from the phonebook while you are on a call.
Example: Using a long distance calling card

① Dial from the phonebook:
8000123456 (Calling card access number).

② When prompted, dial from the phonebook:
1234 (Calling card PIN).

③ When prompted, dial from the phonebook:
5550123456 (the person you want to call).

1 **During an outside call,** press **[MENU]** (center of joystick).

2 Press **[1]** to select "**Phonebook**".

3 Push the joystick up or down repeatedly to display the desired item.
- To search for the item by initial, see page 27.

4 Press **[CALL]**.
- Repeat from step 1 to dial other numbers.

Note:
- When storing a calling card access number and your PIN in the phonebook as one phonebook item, press **[PAUSE]** to add pauses after the number and PIN as necessary (page 21).
- If you have rotary or pulse service, you need to press [✱] before pressing **[MENU]** in step 1 to change the dialing mode temporarily to tone.

Copying phonebook items

You can copy one or all of the phonebook items from the handset to the phonebook of a compatible Panasonic handset (page 5).

Important:
- Make sure the destination handset is not in use.
- Do not place your handset on the base unit or charger until copying has finished, otherwise copying will stop.
- If an outside call is received during the phonebook copy, copying will stop. You will need to copy the item(s) later.
- Ringer ID and light-up ID settings for phonebook items are not copied (page 32).

Copying an item

1 Press [📖] (right soft key).

2 Press **[COPY]**.

3 Scroll to "**1 item**", then press **[SELECT]**.

4 Scroll to the destination handset's number, then press **[SELECT]**.

5 Push the joystick up or down repeatedly to display the desired item.
- To search for the item by initial, see page 27.

6 Press **[SEND]**.
- When the item has been copied, "**Complete**" will be displayed.
- The destination handset display will show "**Phonebook Receiving**", then "**Phonebook Received**".
- To copy another item, repeat from step 5.

7 Press **[OFF]**.

Copying all items

1 Press [📖] (right soft key).

2 Press **[COPY]**.

3 Scroll to "**All items**", then press **[SELECT]**.

4 Scroll to the destination handset's number, then press **[SEND]**.
- When all items have been copied, "**Complete**" will be displayed.
- The destination handset display will show "**Phonebook Receiving**", then "**Phonebook Received**".
- To copy items to another handset, repeat from step 3.

5 Press **[OFF]**.

Base unit speed dialer

The base unit speed dialer allows you to make calls without having to dial manually. You can assign one phone number to each of the 10 dial keys (**[0]** to **[9]**) on the base unit.

Adding phone numbers to the speed dialer

Important:

- Before storing phone numbers, make sure the base unit is not being used.

1 Press **[PROGRAM]**.
- The IN USE indicator will flash.

2 Enter the phone number (max. 32 digits).
- If a pause is required for dialing, press **[PAUSE]** where needed.
- If you misdial, press **[PROGRAM]** 2 times and repeat from step **1**.

3 Press **[PROGRAM]**.

4 Press a dial key (**[0]** to **[9]**).
- The base unit will beep.
- To store other phone numbers, repeat from step **1**.

Note:

- If a phone number is stored in a dial key which already contains a phone number, the old number will be erased.
- We recommend you make a note of which phone numbers are stored in which dial keys.

PAUSE button (for PBX/long distance service users)

A pause is sometimes required when making calls using a PBX or long distance service.
For example, if you need to dial the line access number "9" with a PBX:

In step 2, press **[9]**, **[PAUSE]**, then enter the phone number.

Note:

- A 3.5 second pause is inserted each time **[PAUSE]** is pressed. Press repeatedly to insert longer pauses.

To erase a stored phone number

1 Press **[PROGRAM]** 2 times.

2 Press the desired dial key (**[0]** to **[9]**).
- The base unit will beep.

Calling someone with the speed dialer

1 Press **[SP-PHONE]**.

2 Press **[AUTO]**.

3 Press the desired dial key (**[0]** to **[9]**).
- The stored phone number will be dialed.

Note:

- Speed dial numbers stored in the base unit can only be dialed from the base unit.

Using Caller ID service

This unit is Caller ID compatible. To use Caller ID features, you must subscribe to your telephone company's Caller ID service.

Caller ID features

When an outside call is being received, the calling party's phone number will be displayed.
Phone numbers for the last 50 different callers will be logged in the caller list, allowing you to return missed calls. Caller information is stored by the most recent call to the oldest.

- When Caller ID information is received and it matches a phone number stored in the phonebook:
  - The stored name will be displayed and logged in the caller list. **(Private name display)**
  - The handset will use the ringer tone and the ringer indicator color you assigned to the caller. **(Ringer ID and light-up ID)**
- If the unit cannot receive caller information, the following will be displayed:
  "`Out of area`": The caller dialed from an area which does not provide Caller ID service.
  "`Private caller`": The caller requested not to send caller information.
- If the unit is connected to a PBX system, caller information may not be received properly. Consult your PBX supplier.
- If the name display service is available in your area, the display will show caller names. For further information, please contact your telephone company.

Call Waiting Caller ID display

If you subscribe to both Caller ID and Call Waiting with Caller ID services, the 2nd caller's information will be displayed after you hear a Call Waiting tone (page 22).

Note:

- Please contact your telephone company for details and availability of this service in your area.

Talking Caller ID

This feature allows you to know who is calling without looking at the display. When a call comes in, the handset and base unit will announce the caller's name displayed on the handset following every ring.
To use this feature, you must subscribe to your telephone company's Caller ID service.
To activate this feature, you must turn this feature on (page 49, 51).

Important:

- If Caller ID information is received and it matches a phone number stored in the phonebook or if the name display service is available in your area, the caller's name will be displayed and announced.
- If the caller's phone number is stored in the phonebook of the extension number 1 handset, all handsets and the base unit will announce the name stored in that phonebook following every ring.
- The name announced by the Talking Caller ID feature will be different from the names displayed on the other extension handsets (2 to 8) if the name is stored differently in each phonebook.
- If the unit does not receive Caller ID information, the unit will announce "*Call from out of area*" or "*Call from private caller*".
- Name pronunciation may vary. This feature may not pronounce all names correctly.
- The unit will announce each letter of abbreviations, such as "Co." and "Inc.".
- Caller ID supports names of up to 15 letters. If the caller's name has more

than 15 letters, the name will not be displayed or announced correctly.

- Your unit may mute one or more rings in order to announce the name of the caller. Talking Caller ID takes precedence over ringing.
- If the ringer volumes of the handset and base unit are turned off, caller names will not be announced. The announcement is heard at the ringer volume (page 25, 46).
- When you receive a call while on the phone, the 2nd caller's name will not be announced even if you subscribe to both Caller ID and Call Waiting with Caller ID services.
- If this feature is turned off, caller names will not be announced (page 49, 51).
- If an outside call is received while on an intercom call between the handset and base unit, the other handsets will ring, but the caller's name will not be announced.

Ringer ID and light-up ID

This feature can help you identify who is calling by using different ringers and ringer indicator colors for different callers stored in the phonebook. You can assign a different ringer and indicator color to each phonebook item. When a call is received from a caller stored in the phonebook, the ringer and indicator color are used after Caller ID information is displayed.

- The ringer and indicator color may be changed after the 2nd ring.

Ringer ID

You can assign a different ringer tone to each caller in the phonebook. If you select "**No Ringer ID**" (default), the unit will use the ringer tone you set on page 46 when a call is received from that caller.

1 Press [📖] (right soft key).

2 Push the joystick up or down repeatedly to display the desired item.

3 Press **[OPTION]**.

4 Press **[1]** to select "**Ringer ID**".

5 To select a tone or melody, scroll to "**Tone & Melody**", then press **[SELECT]**.
OR
To select a song, scroll to "**Customized ring**", then press **[SELECT]**.

6 Push the joystick up or down repeatedly to select the desired item.

7 Press **[SAVE]**, then press **[OFF]**.

Note:

- To erase a song, see page 47. If you erase a song assigned to a caller, the Ringer ID assignment will be canceled, and the handset ringer tone (page 46) will be used instead of that song.

Light-up ID

You can assign a different ringer indicator color to each caller in the phonebook. Select "**Color1**" (amber), "**Color2**" (blue), "**Color3**" (green), or "**Multicolor**".
If you select "**No Light-upID**" (default), the unit will use the ringer color you set on page 48 when a call is received from that caller.

1 Press [📖] (right soft key).

2 Push the joystick up or down repeatedly to display the desired item.

3 Press **[OPTION]**.

4 Press **[2]** to select "**Light-up ID**".

5 Push the joystick up or down repeatedly to select the desired ringer indicator color.

6 Press **[SAVE]**, then press **[OFF]**.

Caller list

Caller information for the last 50 different callers will be logged in the caller list. You can use this list to return missed calls.

- Caller information includes phone numbers, the date and time of calls, and the number of times the caller called.
- Make sure the unit's date and time setting is correct (page 17).

Missed calls

If a call is not answered, the unit treats the call as a missed call. The number of missed calls is shown on the handset display. This lets you know if you should view the caller list to see who called while you were out.

- If there are no items in the caller list, **[CID]** will not be displayed.

Viewing the caller list and calling back

1 Press **[CID]** (left soft key).

2 Push the joystick down repeatedly to search from the most recent call, or up to search from the oldest call.
- To exit the caller list, press **[OFF]**.

3 Press [📞] or [🔊].

Note:

- Calling back will not be possible if the caller information does not include a phone number.
- In some cases, you may have to edit the number before dialing.
- Each handset has its own caller list. If you viewed the caller list or answered a call on one handset, the same information in the other handsets will be displayed as "**missed calls**".

Displayed symbols

- If the same caller calls more than once, it will be displayed with the number ("×2" to "×9"). Only the date and time of the most recent call will be stored.
- A ✓ is displayed next to items which have already been viewed or answered on this handset.

Editing a caller's phone number before calling back

You can edit a phone number in the caller list.

1 Press **[CID]** (left soft key).

2 Push the joystick up or down repeatedly to display the desired item.

3 Press **[EDIT]**.

4 Add or erase digits to the beginning of the number as necessary.
- To add a digit, press the desired dial key.
- To erase a digit, press **[CLEAR]** or **[#]**.

5 Press **[ ]** or **[ ]** to call back.

Note:

- The edited phone number will not be saved in the caller list.

Storing caller information into the phonebook

Items in the caller list can be stored into each handset's phonebook.

1 Press **[CID]** (left soft key).

2 Push the joystick up or down repeatedly to display the desired item.
- To edit the number, press **[EDIT]**, then edit the number (see "Editing a caller's phone number before calling back", step 4).

3 Press **[SAVE]**.
- "Enter name" will be displayed.
- If the caller has name information, the name and phone number will be saved. Skip to step 6.

4 Enter the name if necessary (see page 26, step 3).

5 Press **[NEXT]**, then press **[SAVE]**.
- To continue storing other items, repeat from step 2.

6 Press **[OFF]**.

Note:

- If the caller information does not include a phone number, you cannot store it in the phonebook.

Erasing caller information

Erasing a selected item

1 Press **[CID]** (left soft key).

2 Push the joystick up or down repeatedly to display the desired item.

3 Press **[CLEAR]**.
- To erase other items, repeat from step 2.
- To exit the caller list, press **[OFF]**.

Erasing all items

Make sure that you have no missed calls.

1 Press **[CID]** (left soft key).

2 Press **[ERASE]** or **[CLEAR]**.
- "All erase?" will be displayed.
- To cancel erasing, press **[NO]**.

3 Press **[YES]**.

Intercom

Intercom calls can be made between the handset and the base unit, and between the included handset and a compatible Panasonic handset (page 5).
Call the desired unit by selecting the extension number (1 to 8), shown in the upper right of each handset's display. The base unit's extension number is 0.

Note:

- If you have difficulty hearing the other party while using the speaker, decrease the speaker volume.
- If you receive a phone call while talking on the intercom, you will hear 2 tones (page 49, 51). To answer the call with the handset, press **[OFF]**, then press **[ ]** or **[ ]**. To answer the call with the base unit, press **[SP-PHONE]** 2 times.
- You cannot change the ringer tone for intercom calls.

From the handset to the base unit

1 **Handset:**
Press **[INTERCOM]**, then press **[0]**.
- The base unit will beep for 1 minute.
- To stop paging, press **[OFF]**.

2 **Base unit:**
Press **[SP-PHONE]** or **[INTERCOM]** to answer the page.

3 **Handset:**
When finished talking, press **[OFF]**.

Note:

- During an intercom call, the handset user can switch to the speaker by pressing **[ ]**. To switch back to the receiver, press **[ ]**.

From the base unit to a handset

1 **Base unit:**
Press **[INTERCOM]**.

2 To page a specified handset, press its extension number (**[1]** to **[8]**).
OR
To page all handsets, press **[0]**.
- The handset(s) will beep for 1 minute.
- To stop paging, press **[SP-PHONE]** or **[INTERCOM]**.

3 **Handset:**
Press **[ ]**, **[ ]**, or **[INTERCOM]** to answer the page.

4 **Base unit:**
When the paged party answers, speak into the MIC.

5 **Base unit:**
When finished talking, press **[SP-PHONE]** or **[INTERCOM]**.

Note:

- You can locate a misplaced handset by paging it. **(Handset locator)**
- If you page all handsets, only the handset user who answers first can talk with the base unit.

From one handset to another handset

Example: When handset 1 calls handset 2.

1 **Handset 1:**
Press **[INTERCOM]**, then press the handset's extension number **[2]** (desired handset number).
- The paged handset will beep for 1 minute.
- To stop paging, press **[OFF]**.

2 **Handset 2:**
Press **[ ]**, **[ ]**, or **[INTERCOM]** to answer.

3 When finished talking, press **[OFF]**.

Voice paging

The base unit user can make a voice announcement that is heard through the speakers of all handsets.

1 Press **[INTERCOM]**, then press **[✱]** (🔊).
- You will hear a ringback tone (2 short beeps) and the SP-PHONE indicator will flash.

2 When the SP-PHONE indicator stops flashing, speak into the MIC.
- All handset users will hear your voice through their speakers after beeps.

3 When finished, press **[SP-PHONE]** or **[INTERCOM]**.
OR
After one of the handsets answers, talk into the MIC. When finished talking, press **[SP-PHONE]** or **[INTERCOM]**.

Note:
- To answer the voice page with a handset, press [📞], [🔊], or **[INTERCOM]**. Only the handset user who answers first can talk with the base unit user.
- A handset user can mute the current voice announcement by placing the handset on the base unit or charger, or by pressing **[OFF]**. Other handsets will continue to hear the announcement.
- If a handset is too close to the base unit, you may hear feedback while making the voice announcement. Place the handset on the base unit or charger or press **[OFF]**.
- The announcement is heard at the handset ringer volume (page 46).
- A handset cannot be paged when it is on the base unit.

Transferring a call

Outside calls can be transferred between the handset and the base unit, and between the handset and a compatible Panasonic handset (page 5).

Transferring a call from the handset

1 During an outside call, press **[INTERCOM]**.
- The call will be put on hold.

2 To page the base unit, press **[0]**.
To page another handset, press its extension number (**[1]** to **[8]**).

3 Wait for the paged party to answer.
- The base unit user can answer by pressing **[SP-PHONE]** or **[INTERCOM]**.
- The paged handset user can answer by pressing [📞], [🔊], or **[INTERCOM]**.
- If there is no answer, press [📞] or [🔊] to return to the outside call.

4 To complete the transfer, press **[OFF]**.

Transferring a call without speaking to the paged party

1 During an outside call, press **[INTERCOM]**.

2 To page the base unit, press **[0]**.
To page another handset, press its extension number (**[1]** to **[8]**).

3 Press **[OFF]**.
- The outside call rings at the paged unit.

Note:
- If the paged party does not answer the call, press [📞] or [🔊] to return to the call. If not answered within 1 minute, the call will ring at your handset again. If you still do not answer the call within 4 minutes, the call will be disconnected.

Transferring a call from the base unit

Important:
- When you page all handsets, only the handset user who answers first can take the transferred call.

1 During an outside call, press **[INTERCOM]**.
- The call will be put on hold.

2 To page a specified handset, press its extension number (**[1]** to **[8]**).
To page all handsets, press **[0]**.
To make a voice announcement to all handsets, press **[✱]** (🔊), then speak into the MIC when the SP-PHONE indicator stops flashing.

3 Wait for the paged party to answer.
- The paged handset user can answer by pressing [📞], [🔊], or **[INTERCOM]**.
- If there is no answer, press **[INTERCOM]** to return to the outside call.

4 To complete the transfer, press **[SP-PHONE]**.

Transferring a call without speaking to the paged party

1 During an outside call, press **[INTERCOM]**.

2 To page a specified handset, press its extension number (**[1]** to **[8]**).
To page all handsets, press **[0]**.
To make a voice announcement to all handsets, press **[✱]** (🔊), then speak into the MIC when the SP-PHONE indicator stops flashing.

3 Press **[SP-PHONE]**.
- The outside call rings at the paged handset(s).

Note:
- If the paged party does not answer the call, press **[SP-PHONE]** to return to the call. If not answered within 1 minute, the call will ring at the base unit again. If you still do not answer the call within 4 minutes, the call will be disconnected.

Intercom Features

Conference calls

A conference call allows the handset and the base unit or a compatible Panasonic handset (page 5) to speak together with an outside party.

Using the handset

1 During an outside call, press **[INTERCOM]**.
- The call will be put on hold.

2 To page the base unit, press **[0]**.
To page another handset, press its extension number (**[1]** to **[8]**).

3 When the paged party answers, press **[CONF]** on your handset to establish a conference call.
- "Conference" will be displayed.
- To leave the conference, press **[OFF]**. The other parties can continue the conversation.

Note:
- The outside call can be put on hold by pressing **[HOLD]** during a conference call. Communications between extensions are not suspended. Only the person who placed the call on hold can resume the conference by pressing **[CONF]**.
- One more extension can join the conference call. To join a conference call using the base unit, press **[SP-PHONE]**. To join using a handset, press [↷] or [🔊]. A maximum of 4 parties can join a conference call.
- If 2 handsets are in a conference call and one handset is using the clarity booster feature, a 3rd handset will not be able to join the conference call.

Using the base unit

1 During an outside call, press **[INTERCOM]**.
- The call will be put on hold.

2 To page the desired handset, press its extension number (**[1]** to **[8]**).

3 When the paged party answers, press **[CONF]** on your base unit to establish a conference call.
- To leave the conference, press **[SP-PHONE]**. The other parties can continue the conversation.

Note:
- The outside call can be put on hold by pressing **[HOLD]** during a conference call. Communications between extensions are not suspended. Only the person who placed the call on hold can resume the conference by pressing **[CONF]**.
- One more extension can join the conference call. To join the conference call using a handset, press [↷] or [🔊].

Room monitor

This feature allows you to listen in on a room where the handset or base unit is located. The monitored extension will not ring, allowing you to easily monitor, for example, a baby's room from different areas of the house. If you want to prevent your unit from being monitored by other extensions, leave this feature OFF (default).

Setting room monitor

Turning on/off the handset's room monitor feature

This allows the handset to be monitored.

1 Press **[MENU]** (center of joystick).

2 Scroll to [✎], then press **[SELECT]**.

3 Scroll to "Room monitor", then press **[SELECT]**.

4 Push the joystick up or down repeatedly to select "On" or "Off".

5 Press **[SAVE]**, then press **[OFF]**.

Turning on/off the base unit's room monitor feature

This allows the base unit to be monitored. This feature must be set by using the handset.

1 Press **[MENU]** (center of joystick).

2 Scroll to [✎], then press **[SELECT]**.

3 Scroll to "Set base unit", then press **[SELECT]**.

4 Scroll to "Room monitor", then press **[SELECT]**.

5 Push the joystick up or down repeatedly to select "On" or "Off".

6 Press **[SAVE]**, then press **[OFF]**.

Monitoring a room

Important:
- Before monitoring, make sure the unit to be monitored is not in use.
- The handset to be monitored must be off the base unit.
- If you receive a phone call while monitoring a room, you will hear 2 tones (page 49, 51). To answer the call with the handset, press **[OFF]**, then press [↷] or [🔊]. To answer the call with the base unit, press **[SP-PHONE]** 2 times.

Monitoring with the handset

1 Press **[INTERCOM]**, then press **[MONITOR]**.

2 To call the base unit, press **[0]**.
To call another handset, press its extension number (**[1]** to **[8]**).
- Your handset will start to monitor the room through the destination unit.
- To monitor from the speaker, press [🔊]. To switch back to the receiver, press [↷].

3 To end monitoring, press **[OFF]**.
- The base unit user can stop being monitored by pressing **[INTERCOM]** or **[SP-PHONE]**. The monitored handset user can stop being monitored by pressing **[OFF]**.

Note:
- The monitored handset displays "Room monitor".

Monitoring with the base unit

1 Press **[INTERCOM]**, then press **[MUTE]**.

2 To call the desired handset, press its extension number (**[1]** to **[8]**).
- The base unit will start to monitor the room through the handset.

3 To end monitoring, press **[INTERCOM]** or **[SP-PHONE]**.
- The monitored handset user can stop being monitored by pressing **[OFF]**.

Note:
- The monitored handset displays "Room monitor".
- If the room monitor feature of the destination handset is off or if that handset is on the base unit, a busy tone will be heard.

Guide to handset programming

For your reference, a chart of all programmable functions is printed below. Details for each item can be found on the corresponding pages. To program, press **[MENU]** (center of joystick), push the joystick up, down, left, or right to scroll through the menu, and press **[SELECT]** when the desired menu item or setting is displayed.

Important:
- Before programming, make sure the handset and base unit are not being used. The handset must be operated near the base unit and while off the base unit or charger.
- You can also program features using "direct commands"—special codes that take you directly to the feature you wish to program and allow you to select the desired setting (page 43).

During programming:
- To exit programming, press **[OFF]** at any time.
- To go to next page, press **[NEXT]**.
- To go back to the top of the menu, press **[TOP]**.
- To go back to the previous menu, press **[BACK]**, or push the joystick left.

Main menu	Sub-menu 1	Sub-menu 2	Page
Voice Mail	Store VM access#*1	–	53
	VM tone detect*1	–	53
	Message alert	–	55
Ringer setting	Ringer volume	–	46
	Ringer tone	–	46
	Customize ring	–	46
	Ring color	–	48
Phonebook	–	–	27
Function	Voice enhancer	–	48
Initial setting	Talking CallerID	–	49
	Room monitor	–	39
	LCD contrast	–	49
	Key tone	–	49
	Auto talk	–	49
	Interrupt tone	–	49

Main menu	Sub-menu 1	Sub-menu 2	Page
Initial setting	Set base unit	Ringer volume*1	50
		Ringer tone*1	50
		Interrupt tone*1	51
		Room monitor*1	39
		Talking CallerID*1	51
	Set tel line	Set dial mode*1	17
		Set flash time*1	50
		Set line mode*1	50
	Registration	HS registration	52
		Deregistration	51
Set date & time	Date and time*1	–	17
	Time adjustment*1	–	52

*1 If you program these settings using one of the handsets, you will not need to program the same item using another handset.

Programmable Settings

Programming via direct commands

You can also program features using "direct commands"—special codes that take you directly to the feature you wish to program and allow you to select the desired setting. There is no need to scroll through the unit's menus.
Details of each feature can be found on the corresponding pages.

Important:

- Before programming, make sure the handset and base unit are not being used. The handset must be operated near the base unit and while off the base unit or charger.

1 Press **[MENU]** (center of joystick), then press **[#]**.

```
Enter direct No.
:
```

2 Enter the desired feature code (shown below).

3 Enter the desired setting code (shown below).

- This step may vary depending on the feature being programmed.

4 Press **[SAVE]**.

5 Press **[OFF]** to exit programming mode.

Note:

- If the handset beeps 3 times, you entered an invalid code. Enter the correct code.
- If you make a mistake or enter the wrong code, press **[OFF]** then start again by pressing **[MENU]**.

Direct commands chart

Important:

- The default settings are indicated by *.

Feature	Feature code	Setting code	Page
Date and time	**[1] [0] [1]**	Enter date and time. (Default: 31.12.2005)	17
Set dial mode	**[1] [2] [0]**	**[1]**: Pulse **[2]**: Tone*	17
Set flash time	**[1] [2] [1]**	**[1]**: 700 ms* **[2]**: 600 ms **[3]**: 400 ms **[4]**: 300 ms **[5]**: 250 ms **[6]**: 110 ms **[7]**: 100 ms **[8]**: 90 ms	50
Set line mode	**[1] [2] [2]**	**[1]**: A **[2]**: B*	50
HS registration	**[1] [3] [0]**	Go to step 5 on page 52.	52
Deregistration	**[1] [3] [1]**	**[3] [3] [5]**	51

Feature	Feature code	Setting code	Page
LCD contrast (Handset)	**[1] [4] [5]**	**[1]**: Level 1 **[2]**: Level 2 **[3]**: Level 3* **[4]**: Level 4 **[5]**: Level 5 **[6]**: Level 6	49
Ringer volume (Handset)	**[1] [6] [0]**	**[1]**: Low **[2]**: Medium **[3]**: High* **[0]**: Off	46
Ringer tone Tone & Melody (Handset)	**[1] [6] [1]**	Scroll to "**Tone & Melody**", then press **[SELECT]**. **[1]**: Tone 1* **[2]**: Tone 2 **[3]**: Tone 3 **[4]**: Melody 1 **[5]**: Melody 2 **[6]**: Melody 3 **[7]**: Melody 4	46
Ringer tone Customized ring (Handset)	**[1] [6] [1]**	Go to step 4 on page 46.	46
Talking Caller ID (Handset)	**[1] [6] [2]**	**[1]**: On **[0]**: Off*	49
Key tone (Handset)	**[1] [6] [5]**	**[1]**: On* **[0]**: Off	49
Customize ring (Handset)	**[1] [6] [6]**	See page 46.	46
Auto talk	**[2] [0] [0]**	**[1]**: On **[0]**: Off*	49
Interrupt tone (Handset)	**[2] [0] [1]**	**[1]**: On **[2]**: 2 times* **[0]**: Off	49
Room monitor (Handset)	**[2] [0] [2]**	**[1]**: On **[0]**: Off*	39
Time adjustment	**[2] [2] [6]**	**[1]**: Caller ID[auto]* **[2]**: Manual	52
Ring color	**[2] [3] [5]**	**[1]**: Color 1* **[2]**: Color 2 **[3]**: Color 3 **[4]**: Multicolor	48
Voice enhancer	**[2] [7] [0]**	**[1]**: On **[0]**: Off*	48
Store VM access#	**[3] [3] [1]**	Enter access number.	53
VM tone detect	**[3] [3] [2]**	**[1]**: On **[0]**: Off*	53
Message alert	**[3] [4] [0]**	**[1]**: On **[0]**: Off*	55
Ringer volume (Base unit)	**[*] [1] [6] [0]**	**[1]**: Low **[2]**: Medium **[3]**: High* **[0]**: Off	50
Ringer tone (Base unit)	**[*] [1] [6] [1]**	**[1]**: Tone 1* **[2]**: Tone 2 **[3]**: Tone 3 **[4]**: Melody 1 **[5]**: Melody 2 **[6]**: Melody 3 **[7]**: Melody 4	50
Talking Caller ID (Base unit)	**[*] [1] [6] [2]**	**[1]**: On **[0]**: Off*	51

Feature	Feature code	Setting code	Page
Interrupt tone (Base unit)	**[*] [2] [0] [1]**	**[1]**: On **[2]**: 2 times* **[0]**: Off	51
Room monitor (Base unit)	**[*] [2] [0] [2]**	**[1]**: On **[0]**: Off*	39

Ringer settings

Handset ringer volume

4 levels (high/medium/low/off) are available.

1 Press **[MENU]** (center of joystick).

2 Scroll to , then press **[SELECT]**.

3 Scroll to "**Ringer volume**", then press **[SELECT]**.

4 Push the joystick up or down repeatedly to select the desired volume.
- To turn the ringer off, push the joystick down repeatedly until "**Off ?**" is displayed.

5 Press **[SAVE]**.

Note:
- When the ringer volume is set to off, the handset will not ring for outside calls. The handset will ring at the low level for intercom calls.
- When the ringer volume is set to off, the handset will not announce caller names (page 32).

Handset ringer tone

You can change the ringer tone heard when an outside call is received. There are 3 tones, 4 melodies, and 2 songs.

Important:
- You can record songs for the handset ringer tone from an audio device. See "Recording songs from an audio device for ringer tones".

1 Press **[MENU]** (center of joystick).

2 Scroll to , then press **[SELECT]**.

3 Scroll to "**Ringer tone**", then press **[SELECT]**.

4 To select a tone or melody, scroll to "**Tone & Melody**", then press **[SELECT]**.
OR
To select a song, scroll to "**Customized ring**", then press **[SELECT]**.

5 Push the joystick up or down repeatedly to select the desired item.
- If the ringer volume has been turned off, the handset will not ring.

6 Press **[SAVE]**, then press **[OFF]**.

Note:
- If you select a melody or a song, the ringer will continue to sound for several seconds if:
  - the caller hangs up before you answer the call.
  - another person answers the call using another phone connected on the same line.
- The preset song "**Demo1**" in this product is used with permission of © 2005 Speed Crazy.
- The preset song "**Demo2**" in this product is used with permission of © 2005 M-ZoNE Co., Ltd.

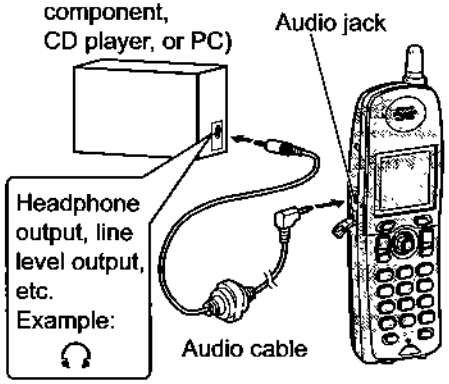
Recording songs from an audio device for ringer tones (Customize ring)

You can record songs (max. 30 seconds each) from an audio device by connecting the included audio cable. These songs can be assigned as the handset ringer tone and the ringer ID (page 32) for phone numbers stored in the phonebook.

Important:
- If a call is received while the audio cable is connected to the handset, disconnect the audio cable from the handset and answer the call, or you and the caller will not hear each other's voice.

- If a call is received while a song is being recorded or played back, recording or playback will stop automatically. If recording, the partially recorded song will be saved. The caller will hear the song being played and you and the caller will not be able to hear each other's voice until you disconnect the audio cable from the handset.

1 Connect the audio device to the handset using the included audio cable.



2 Press **[MENU]** (center of joystick).

3 Scroll to , then press **[SELECT]**.

4 Scroll to "**Customize ring**", then press **[SELECT]**.

5 Scroll to "**Record**", then press **[SELECT]**.
- The remaining recording time will be displayed.

6 Press play on the audio device.
- For better sound quality, increase the volume on the audio device.
- To adjust the handset speaker volume, push the joystick up or down repeatedly.

7 Press **[REC.]** to start recording.

8 To stop recording, press **[STOP]**.
- To listen to the recording, scroll to "**Playback**", then press **[SELECT]**.
- To re-record, scroll to "**Retry**", press **[SELECT]**, then start from step 7.

9 Scroll to "**Save**", then press **[SELECT]**.

10 Enter the desired name (max. 15 characters, page 26).

11 Press **[SAVE]**, then press **[OFF]**.

12 Disconnect the audio cable from the handset.

Note:
- The total recording time is 90 seconds.

Playing back a song

1 Press **[MENU]** (center of joystick).

2 Scroll to , then press **[SELECT]**.

3 Scroll to "**Customize ring**", then press **[SELECT]**.

4 Scroll to "**Playback**", then press **[SELECT]**.

5 Push the joystick up or down repeatedly to select the desired song.

6 Press **[PLAY]**.
- The song will be replayed for 1 minute.

7 Press **[STOP]**, then press **[OFF]**.

Erasing a song

While the song is selected or playing, press **[ERASE]** or **[CLEAR]**, then press **[YES]**.

Note:
- If the erased song was used for the handset ringer (page 46), "**Tone 1**" (default) will be used instead of that song.
- If the erased song was assigned to certain callers (Ringer ID, page 32), the

Ringer ID assignment will be canceled, and the handset ringer tone (page 46) will be used instead of that song.

Changing the name of a song

1 Press **[MENU]** (center of joystick).

2 Scroll to ♪, then press **[SELECT]**.

3 Scroll to "**Customize ring**", then press **[SELECT]**.

4 Scroll to "**Rename**", then press **[SELECT]**.

5 Push the joystick up or down repeatedly to select the desired song.

6 Press **[RENAME]**.

7 Edit the name (max. 15 characters, page 26).

8 Press **[SAVE]**, then press **[OFF]**.

Ring color

You can change the ringer indicator color used when an outside call is received. Select "**Color1**" (amber), "**Color2**" (blue), "**Color3**" (green), or "**Multicolor**".

1 Press **[MENU]** (center of joystick).

2 Scroll to ♪, then press **[SELECT]**.

3 Scroll to "**Ring color**", then press **[SELECT]**.

4 Push the joystick up or down repeatedly to select the desired ringer indicator color.

5 Press **[SAVE]**, then press **[OFF]**.

Function

Voice enhancer

You can turn the voice enhancer feature on or off.

1 Press **[MENU]** (center of joystick).

2 Scroll to ✎, then press **[SELECT]**.

3 Scroll to "**Voice enhancer**", then press **[SELECT]**.

4 Push the joystick up or down repeatedly to select "**On**" or "**Off**".
- When turned on, VE will be displayed.

5 Press **[SAVE]**, then press **[OFF]**.

Initial setting

Handset Talking Caller ID

You can turn the Talking Caller ID feature (page 31) on or off for the handset.

1 Press **[MENU]** (center of joystick).

2 Scroll to 🔧, then press **[SELECT]**.

3 Scroll to "**Talking CallerID**", then press **[SELECT]**.

4 Push the joystick up or down repeatedly to select "**On**" or "**Off**".

5 Press **[SAVE]**, then press **[OFF]**.

Handset LCD contrast

You can adjust the handset display contrast. There are 6 levels.

1 Press **[MENU]** (center of joystick).

2 Scroll to 🔧, then press **[SELECT]**.

3 Scroll to "**LCD contrast**", then press **[SELECT]**.

4 Push the joystick up or down repeatedly to select the desired setting.

5 Press **[SAVE]**, then press **[OFF]**.

Handset key tone

You can select whether or not key tones are heard when keys are pressed. Includes confirmation tones and error tones.

1 Press **[MENU]** (center of joystick).

2 Scroll to 🔧, then press **[SELECT]**.

3 Scroll to "**Key tone**", then press **[SELECT]**.

4 Push the joystick up or down repeatedly to select "**On**" or "**Off**".

5 Press **[SAVE]**, then press **[OFF]**.

Auto talk

When this feature is turned on, you can answer a call by lifting the handset off the base unit or charger without pressing **[📞]**.

1 Press **[MENU]** (center of joystick).

2 Scroll to 🔧, then press **[SELECT]**.

3 Scroll to "**Auto talk**", then press **[SELECT]**.

4 Push the joystick up or down repeatedly to select "**On**" or "**Off**".

5 Press **[SAVE]**, then press **[OFF]**.

Note:

- If you subscribe to Caller ID service and want to view the caller's information on the handset display after lifting up the handset to answer a call, turn off this feature.

Handset interrupt tone

This tone lets you know when you receive a call while you are on an intercom call or monitoring a room.
"**2**": The tone will sound 2 times.
"**On**": The tone will sound for as long as the line rings.
"**Off**": Turns this feature off.

1 Press **[MENU]** (center of joystick).

2 Scroll to 🔧, then press **[SELECT]**.

3 Scroll to "**Interrupt tone**", then press **[SELECT]**.

4 Push the joystick up or down repeatedly to select the desired setting.

5 Press **[SAVE]**, then press **[OFF]**.

Flash time

The flash time depends on your telephone exchange or host PBX.
You can select: "90ms" (milliseconds), "100ms", "110ms", "250ms", "300ms", "400ms", "600ms", or "700ms".

1 Press **[MENU]** (center of joystick).
2 Scroll to [✎], then press **[SELECT]**.
3 Scroll to "Set tel line", then press **[SELECT]**.
4 Scroll to "Set flash time", then press **[SELECT]**.
5 Push the joystick up or down repeatedly to select the desired setting.
6 Press **[SAVE]**, then press **[OFF]**.

Note:

- If the unit is connected via a PBX, certain PBX functions (call transferring, etc.) may not work correctly. Consult your PBX supplier for the correct setting.

Line mode

The line mode is preset to "B" and generally should not be adjusted. If IN USE on the handset is not displayed and the IN USE indicator on the base unit does not light properly when another phone connected to the same line is in use, the line mode selection is incorrect. Set line mode to "A".

1 Press **[MENU]** (center of joystick).
2 Scroll to [✎], then press **[SELECT]**.
3 Scroll to "Set tel line", then press **[SELECT]**.
4 Scroll to "Set line mode", then press **[SELECT]**.
5 Push the joystick up or down repeatedly to select the desired setting.
6 Press **[SAVE]**, then press **[OFF]**.

Base unit settings

These features can be set by using the handset.

Base unit ringer volume

You can also adjust the base unit ringer volume from the base unit (page 25).

1 Press **[MENU]** (center of joystick).
2 Scroll to [✎], then press **[SELECT]**.
3 Scroll to "Set base unit", then press **[SELECT]**.
4 Scroll to "Ringer volume", then press **[SELECT]**.
5 Push the joystick up or down repeatedly to select the desired volume.
- To turn the ringer off, push the joystick down repeatedly until "Off ?" is displayed.

6 Press **[SAVE]**, then press **[OFF]**.

Base unit ringer tone

You can also change the base unit ringer tone from the base unit (page 25).

1 Press **[MENU]** (center of joystick).
2 Scroll to [✎], then press **[SELECT]**.
3 Scroll to "Set base unit", then press **[SELECT]**.
4 Scroll to "Ringer tone", then press **[SELECT]**.
5 Push the joystick up or down repeatedly to select the desired setting.
- If the ringer volume has been turned off, the base unit will not ring.

6 Press **[SAVE]**, then press **[OFF]**.

Base unit interrupt tone

This tone lets you know when you receive a call while you are on an intercom call or monitoring a room.
"2": The tone will sound 2 times.
"On": The tone will sound for as long as the line rings.
"Off": Turns this feature off.

1 Press **[MENU]** (center of joystick).
2 Scroll to [✎], then press **[SELECT]**.
3 Scroll to "Set base unit", then press **[SELECT]**.
4 Scroll to "Interrupt tone", then press **[SELECT]**.
5 Push the joystick up or down repeatedly to select the desired setting.
6 Press **[SAVE]**, then press **[OFF]**.

Base unit Talking Caller ID

You can turn the Talking Caller ID feature (page 31) on or off for the base unit.

1 Press **[MENU]** (center of joystick).
2 Scroll to [✎], then press **[SELECT]**.
3 Scroll to "Set base unit", then press **[SELECT]**.
4 Scroll to "Talking CallerID", then press **[SELECT]**.
5 Push the joystick up or down repeatedly to select "On" or "Off".
6 Press **[SAVE]**, then press **[OFF]**.

Canceling the handset registration

If you no longer need to use the handset or if you want to use the handset with a different base unit of the same model, it is necessary to cancel the handset's registration from the current base unit.

Important:

- Before canceling, make sure the base unit is not being used.
- Have the handset and base unit near each other when canceling the handset.

1 Press **[MENU]** (center of joystick).
2 Scroll to [✎], then press **[SELECT]**.
3 Scroll to "Registration", then press **[SELECT]**.
4 Scroll to "Deregistration", then press **[SELECT]**.
5 Enter **[3]** **[3]** **[5]**.
6 Press **[OK]**.
- The handset's extension number (1 to 8) will disappear from the display.
- If the handset beeps 3 times, you entered a wrong code. Enter "335", then press **[OK]**.

Registering the handset

If you want to use the handset with a different base unit of the same model, register it to that base unit. The handset will be given a new extension number of that base unit.

Important:

- Before registering, make sure the base unit and the other handsets are not being used.
- Have the handset and base unit near each other when registering the handset.
- If you have already canceled the handset registration at the previous base unit, start from step 5.

1 **Handset:**
Press **[MENU]** (center of joystick).

2 Scroll to [📡], then press **[SELECT]**.

3 Scroll to "`Registration`", then press **[SELECT]**.

4 Scroll to "`HS registration`", then press **[SELECT]**.

5 **Base unit:**
Press and hold **[INTERCOM]** until the CHARGE indicator flashes.

- After the CHARGE indicator starts flashing, the rest of the procedure must be completed within 1 minute.

6 **Handset:**
Press **[OK]** (right soft key), then wait until the handset beeps.

- Registration is complete.
- The handset's new extension number (1 to 8) will be displayed.

Set date & time [🕒]

Time adjustment (Caller ID subscribers only)

If the Caller ID time and date display service is available in your area, Caller ID will automatically adjust the unit's date and time setting each time a call is received. To turn this feature on, select "`Caller ID[auto]`". To turn off, select "`Manual`".

1 Press **[MENU]** (center of joystick).

2 Scroll to [🕒], then press **[SELECT]**.

3 Scroll to "`Time adjustment`", then press **[SELECT]**.

4 Push the joystick up or down repeatedly to select "`Manual`" or "`Caller ID[auto]`".

5 Press **[SAVE]**, then press **[OFF]**.

Note:

- To use this feature, set the date and time manually first (page 17).

Using Voice Mail service [📨]

Voice Mail is an automatic answering service offered by your telephone company. If you subscribe to this service, your telephone company's Voice Mail system can answer calls for you when you are unavailable to answer the phone or when your line is busy. Messages are recorded by the telephone company, not your telephone.

Note:

- Please contact your telephone company for details and availability of this service in your area.

Storing the Voice Mail (VM) access number

In order to listen to your Voice Mail messages, you must dial your telephone company's Voice Mail access number. Once you have stored your Voice Mail access number, you can dial it automatically (page 54).

1 Press **[MENU]** (center of joystick).

2 Scroll to [📨], then press **[SELECT]**.

3 Scroll to "`Store VM access#`", then press **[SELECT]**.

4 Enter your access number (max. 32 digits).

- To correct a digit, use the joystick to move the cursor, then press **[CLEAR]**. Enter the correct number.
- If a pause is required when dialing, press **[PAUSE]** where needed (page 21).

5 Press **[SAVE]**, then press **[OFF]**.

Note:

- When storing your Voice Mail access number and your mailbox password, press **[PAUSE]** to add pauses (page 21) between the access number and the password as necessary. Consult your telephone company for the required pause time.

Example:

2223334444	PPPP	8888
VM access number	Pauses	Password

To erase the Voice Mail access number

Repeat steps 1 to 3, then press and hold **[CLEAR]** until all digits are erased. Press **[SAVE]**, then press **[OFF]**.

Voice Mail (VM) tone detection

Your telephone company sends special signals (sometimes called "Voice Mail tones" or "stutter tones") to the unit to let you know you have new Voice Mail messages. If you hear a series of dial tones followed by a continuous dial tone after you press **[↷]**, **[🔊]**, or **[SP-PHONE]**, you have new Voice Mail messages. Minutes after you hang up a call or after the phone stops ringing, your unit will check the phone line to see if new Voice Mail messages have been recorded. Leave this feature off when:

- You do not subscribe to Voice Mail service.
- Your telephone company does not send Voice Mail tones.
- Your phone is connected to a PBX.

If you are not sure which setting is required, consult your telephone company.

Turning VM detection on/off

1 Press **[MENU]** (center of joystick).

2 Scroll to [📨], then press **[SELECT]**.

3 Scroll to "`VM tone detect`", then press **[SELECT]**.

4 Push the joystick up or down repeatedly to select "On" or "Off".

5 Press **[SAVE]**, then press **[OFF]**.

Listening to Voice Mail messages

The unit will let you know that you have new Voice Mail messages in the following ways:

– The VM indicator on the base unit will flash.
– "Voice Mail" will be displayed on the handset.
– The message indicator on the handset will flash slowly if message alert feature is turned on (page 55).

Note:

- If your Voice Mail service uses Voice Mail tones and the message is over 3 minutes long, the handset may not indicate new messages.
- If your Voice Mail service uses Voice Mail tones, the tones will be heard from any phone connected to the same line. If you want to use another phone to listen to Voice Mail messages, you have to dial your access number manually.

Listening to messages using the handset

1 Press **[ ]** or **[ ]**, then press **[VM]** within 15 seconds.
- If **[VM]** is not displayed, the Voice Mail access number has not been stored. Store the number (page 53).

OR

Press **[MENU]** (center of the joystick), then press **[VM]**.
- The speakerphone will turn on.
- If the handset beeps 3 times, the Voice Mail access number has not been stored. Store the number (page 53).

2 Follow the pre-recorded instructions.

3 Press **[OFF]** when finished.

Note:

- If "Voice Mail" still remains on the display even after you have listened to new messages, turn it off by pressing and holding **[OFF]** until the handset beeps.

Listening to messages using the base unit

1 Press **[VM]**.
- If the base unit beeps 3 times, the Voice Mail access number has not been stored. Store the number (page 53).
- The speakerphone will turn on.

2 Follow the pre-recorded instructions.

3 Press **[SP-PHONE]** when finished.

Note:

- If the VM indicator still flashes even after you have listened to new messages, turn it off by using the handset. Press and hold **[OFF]** until the handset beeps.

Message alert

You can select whether or not the message indicator on the handset will flash when new messages have been recorded.

1 Press **[MENU]** (center of joystick).

2 Scroll to , then press **[SELECT]**.

3 Scroll to "Message alert", then press **[SELECT]**.

4 Push the joystick up or down repeatedly to select "On" or "Off".

5 Press **[SAVE]**, then press **[OFF]**.

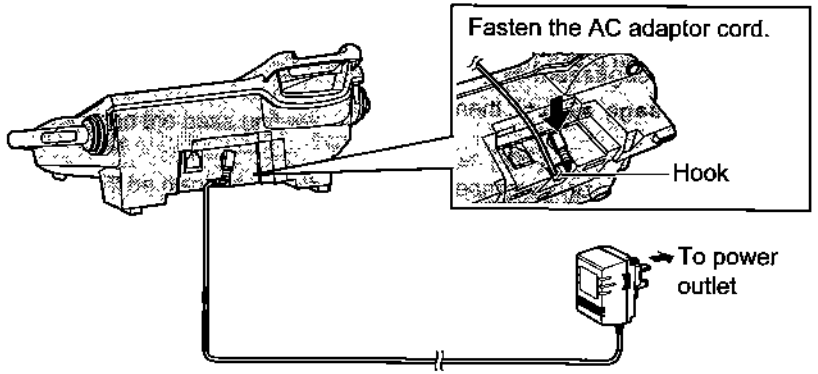
Note:

- The message indicator will not flash for new messages while the handset is in use.
- While message alert is on, battery operating time will be shortened (page 12).

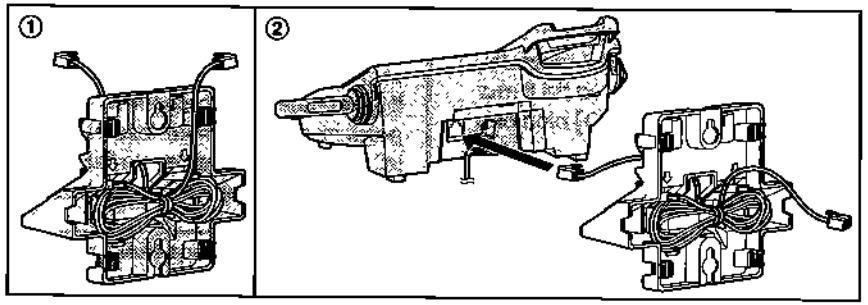
Wall mounting

The base unit can be mounted on a wall.

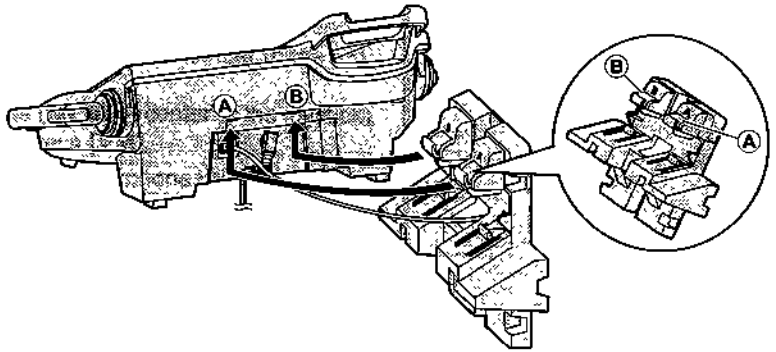
1 Connect the AC adaptor.



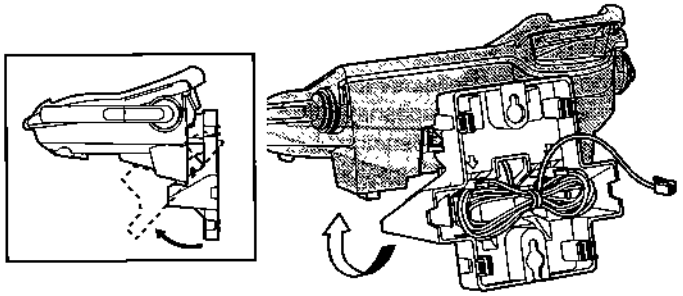
2 Tuck the telephone line cord inside the wall mounting adaptor (①). Connect the telephone line cord (②).



3 Insert the hooks on the wall mounting adaptor into the holes (Ⓐ) and (Ⓑ) on the base unit.

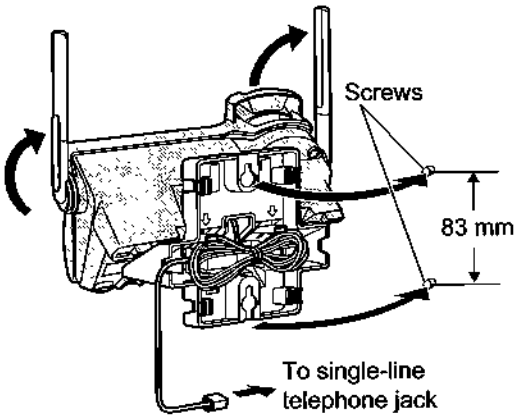


4 Adjust the adaptor to hold the base unit, then push it in the direction of the arrow until it clicks into place.

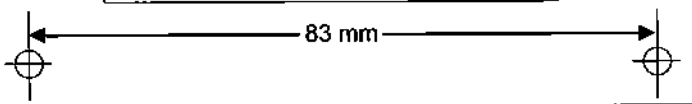


5 Drive the screws (not included) into the wall using the wall mount template (see below). Connect the telephone line cord. Mount the unit, then slide it down.

- Raise the antennas.

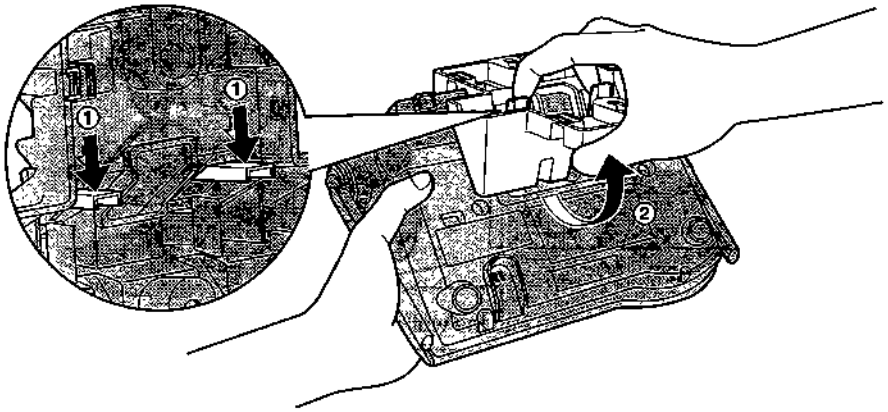


Wall mount template for the base unit



To remove the wall mounting adaptor

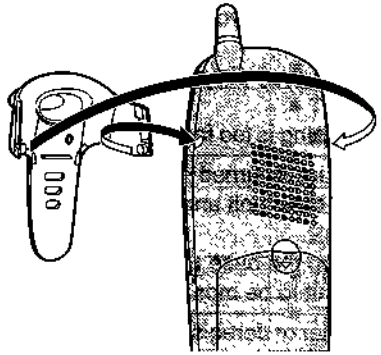
While pushing down the release levers (①), remove the adaptor (②).



Belt clip

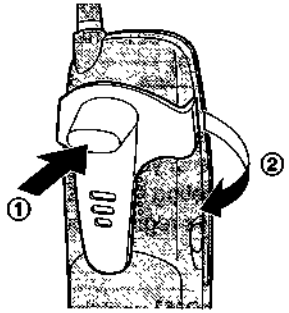
You can hang the handset on your belt or pocket using the included belt clip.

To attach the belt clip



To remove the belt clip

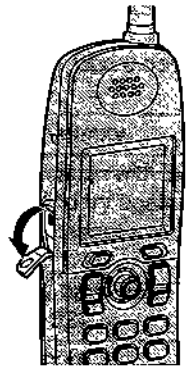
While pressing the top of the clip (①), pull the right edge in the direction of the arrow (②).

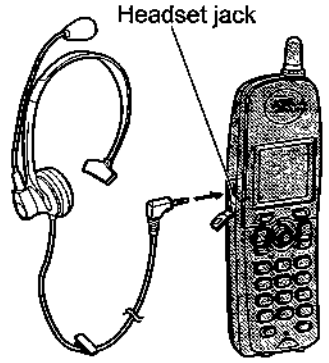


Headset (optional)

Connecting an optional headset to the handset allows hands-free phone conversations. Please use only a Panasonic headset. See page 5 for the compatible headset and ordering information.

To connect an optional headset to the handset





Note:

- To switch to the speakerphone, press [🔊]. To return to the headset, press [📞].

Error messages

If the unit detects a problem, one of the following messages will be displayed on the handset.

Display message	Cause & solution
Busy	• The called handset or base unit is in use. • Privacy mode is on for the call you tried to join (page 21). • The handset you tried to copy phonebook items to is in use. • The handset you are calling is too far from the base unit.
Denied	• The room monitor feature is turned off on the destination handset or base unit and the room cannot be monitored (page 39). • The called handset is on the base unit. The handset must be off the base unit to be monitored.
Error!!	• When you tried to register or deregister the handset, the handset and the base unit could not link for some reason, such as interference from electrical appliances. Move the handset and the base unit away from the electrical appliances and try again. • If more than one handset is in use, you may not be able to register/deregister. Try again later. • Another handset tried to send phonebook items to you but there was an error. Have the other handset user re-send the items to you (page 29).
Error!! All handsets registered. Maximum is 8.	• 8 handsets have already been registered to the base unit. To cancel a handset's registration, see page 51. • You may have registered one of your handsets to another base unit without deleting its registration to this base unit. Erase the handset's registration from the base unit. Base unit: (1) Press and hold **[INTERCOM]** until the CHARGE indicator flashes, and (2) Press and hold the handset's extension number **[1]** to **[8]** that you do not want for 5 seconds. A long beep sounds, then the handset number is erased.
---Incomplete--- Tom Jones 5557654321 Phonebook full (The name/number is an example.)	• When phonebook items were sent to another handset, the handset's phonebook memory was full and copying stopped. Press **[OFF]** to exit. Erase items from another handset's phonebook (page 28). When phonebook memory is available, you can copy all phonebook items or individual items one by one (page 29).

Display message	Cause & solution
---Incomplete--- Tom Jones 5557654321 (The name/number is an example.)	• The destination handset is out of area. • The destination handset user may have pressed **[↷]** or **[🔇]**.
Invalid	• There is no handset registered to the base unit matching the extension number you entered. • You selected your own extension number. • You cannot rename the preset song.
Invalid. Please register to the base unit	• The handset you tried to call has not been registered to the base unit. Register the handset (page 52).
Memory full	• There is no space in memory to record new songs. Erase unnecessary songs.
No items stored	• Your phonebook or redial list is empty.
No link to base. Move closer to base, try again.	• The handset has lost communication with the base unit. Move closer to the base unit, and try again. • Confirm that the base unit's AC adaptor is plugged in. • Raise the base unit antennas. • The handset's registration may have been canceled. Re-register the handset (page 52).
Not erasable	• You cannot erase the preset song.
Phonebook full	• There is no space to store new items in the phonebook. Erase unnecessary items (page 28).
Please lift up and try again.	• A handset button was pressed while the handset was on the base unit or charger. Lift the handset and press the button again.
System is busy. Please try again later.	• The handset has lost communication with the base unit. Move closer to the base unit, and try again. • Other units are in use and the system is busy. Try again later.

Troubleshooting

General use

Problem	Cause & solution
The unit does not work.	• Make sure that the battery is installed correctly (page 11). • Check the connections (page 10). • Fully charge the battery (page 12). • Clean the charge contacts and charge again (page 12). • Unplug the base unit's AC adaptor to reset the unit. Reconnect the adaptor and try again. • The handset has not been registered to the base unit. Register the handset (page 52). • Re-install the battery (page 11) and fully charge it.
The display shows "`No link to base. Move closer to base, try again.`" and an alarm tone sounds.	• The handset has lost communication with the base unit. Move closer to the base unit, and try again. • Confirm that the base unit's AC adaptor is plugged in. • Raise the base unit antennas. • The handset's registration may have been canceled. Re-register the handset (page 52).
I cannot hear a dial tone.	• Confirm that the telephone line cord is connected (page 10). • Disconnect the unit from the telephone line and connect a known working telephone. If the working telephone operates properly, contact our service personnel to have the unit repaired. If the working telephone does not operate properly, contact your telephone company.
The handset displays the incorrect time.	• The handset has lost communication with the base unit (because the base unit's AC adaptor is not connected or the handset is out of range). Confirm that the base unit's AC adaptor is connected and move the handset closer to the base unit.

Programmable settings

Problem	Cause & solution
I cannot program items.	• Programming is not possible while the handset and base unit are being used. • Do not pause for over 1 minute while programming. • Move closer to the base unit.
While programming, the handset starts to ring.	• A call is being received. Answer the call and start again from the beginning after hanging up.

Problem	Cause & solution
I cannot record or erase songs, and "`Recharge battery`" is displayed.	• The battery power is low. Fully charge the battery (page 12) and try again.

Making/answering calls, Intercom

Problem	Cause & solution
Static is heard, sound cuts in and out. Interference from other electrical units.	• Move the handset and the base unit away from other electrical appliances. • Move closer to the base unit. • Raise the base unit antennas. • Turn on the clarity booster feature (page 21). • If your unit is connected to a telephone line with DSL service, we recommend connecting a noise filter between the base unit and the telephone line jack. Contact your DSL provider for details.
The handset and base unit do not ring.	• The ringer volume is turned off. Adjust it (page 25, 46).
I cannot make a call.	• The dialing mode may be set incorrectly. Set the dial mode (page 17) to match the type of telephone service you have (tone or pulse). • If the base unit or another handset is in use, you may not be able to make a call. Try again later.
I cannot redial by pressing **[REDIAL]**.	• If the last number dialed was more than 48 digits long, the number will not be redialed correctly. • If you press **[REDIAL]** after you have started dialing, this button functions as the **[PAUSE]** button. To redial, do not dial any numbers before pressing **[REDIAL]**.
I cannot have a conversation using the headset.	• Make sure that an optional headset is connected properly (page 59). • If "`SP-phone`" is displayed on the handset, press [ ] to switch to the headset.
I cannot page the handset or base unit.	• The called handset is too far from the base unit. • The called unit is in use. Try again later.
I cannot make a voice announcement.	• Other handsets are in use. Try again later.
I cannot turn the clarity booster feature on.	• Another handset is already using this feature. Only one handset can use this feature. • If 3 handsets are on a conference call with an outside party, this feature cannot be used by any of the handsets.

Phonebook

Problem	Cause & solution
I cannot store an item in the phonebook.	• You cannot store an item in the phonebook while the handset is in talk, speakerphone or intercom mode. • Do not pause for over 1 minute while storing.
While storing an item in the phonebook, the handset starts to ring.	• A call is being received. Answer the call and start again from the beginning after hanging up.
Copying stopped with an item displayed.	• The destination handset may have lost communication with the base unit, or the destination handset user may have pressed [ ] or [ ]. The displayed phonebook item was not copied to the handset. Press **[OFF]**. Confirm that the destination handset is in standby mode (i.e., not in use) and try again.
The display exits the phonebook while searching.	• The handset automatically exits after 1 minute of inactivity.

Caller ID

Problem	Cause & solution
The handset does not display the caller's phone number.	• You have not subscribed to Caller ID service. Contact your telephone company to subscribe. • If your unit is connected to any additional telephone equipment such as a Caller ID box or wireless telephone jack, disconnect the unit from the equipment and plug the unit directly into the wall jack. • If your unit is connected to a telephone line with DSL service, we recommend connecting a noise filter between the base unit and the telephone line jack. Contact your DSL provider for details. • Other telephone equipment may be interfering with this unit. Disconnect the other equipment and try again. • The caller requested not to send caller information (page 31). • If a call is being transferred to you, the caller information will not be displayed.
The handset or base unit does not announce the displayed caller names.	• The handset or base unit's ringer volume is turned off. Adjust it (page 25, 46). • The Talking Caller ID feature is turned off. Turn it on (page 49, 51). • Caller names will usually be announced after the 2nd ring.

Problem	Cause & solution
The handset or base unit does not announce the displayed caller's name correctly.	• Name pronunciation may vary. This feature may not pronounce all names correctly. • The handset or base unit will announce each letter of abbreviations, such as "Co." and "Inc.". • Caller ID supports a name of up to 15 letters. If the caller's name has more than 15 letters, the name will not be announced correctly.
The display exits the caller list while searching.	• The handset automatically exits after 1 minute of inactivity.

Battery recharge

Problem	Cause & solution
"**Recharge battery**" is displayed, flashes or the handset beeps intermittently.	• Fully charge the battery (page 12).
"**Charge for 6 HRS**" and are displayed and the handset does not work.	• The battery has been discharged. Fully charge the battery (page 12).
I charged the battery fully, but "**Recharge battery**" is still displayed and/or continues to flash, or "**Charge for 6 HRS**" and are displayed.	• Clean the charge contacts and charge again (page 12). • The battery may need to be replaced (page 13). If you install a new battery, fully charge it (page 12).
The CHARGE indicator does not go out after the battery has been charged.	• This is normal.
The handset display is blank.	• Confirm that the battery is properly installed. • Fully charge the battery (page 12).

Power failure

Problem	Cause & solution
The unit will not function.	• This product is not designed to make calls in the event of a power failure. We recommend connecting a standard telephone to the same telephone line in the event that emergency calls need to be made during a power failure (page 10).

Specifications

Base unit

Operating environment:
5 °C – 40 °C

Frequency:
5.76 GHz – 5.84 GHz

Dimensions:
Approx. height 96 mm x width 210 mm x depth 157 mm

Mass (Weight):
Approx. 399 g

Power consumption:
Standby: Approx. 2.5 W
Maximum: Approx. 5.5 W

Power supply:
AC adaptor (230 – 240 V AC, 50 Hz)

Handset

Operating environment:
5 °C – 40 °C

Frequency:
5.76 GHz – 5.84 GHz

Dimensions:
Approx. height 173 mm x width 48 mm x depth 33 mm

Mass (Weight):
Approx. 168 g

Power supply:
Ni-MH battery (3.6 V, 830 mAh)

Security codes:
1,000,000

Note:

- Design and specifications are subject to change without notice.
- The illustrations in these instructions may vary slightly from the actual product.

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